

**THIS REFLECTOR TRIM MUST BE INSTALLED
IN LIGHTOLIER'S 1100 SERIES FRAME-IN-KIT ONLY**

INSTRUCTION SHEET NO.

IS:1161-A

0690

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READ AND UNDERSTAND THESE INSTRUCTIONS BEFORE INSTALLING FIXTURE.

This fixture is intended for installation in accordance with the National Electrical Code and local regulations. To assure full compliance with local codes and regulations, check with your local electrical inspector before installation. To prevent electrical shock, turn off electricity at fuse box before proceeding.

Retain these instructions for maintenance reference.

NOTE: Use this Instruction Sheet only when Lytecaster Reflector Trim is being installed in the 1100 series Frame-In-Kits with ROTO-CLIPS (see Fig. E). If not, disregard this Instruction Sheet. It is recommended you maintain a copy of the following instructions for reference.

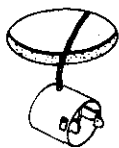


FIG. A
1. FRAME-IN



FIG. B
2. ROTATE CLIPS



FIG. C
3. SNAP-ON



FIG. D
4. PUSH-UP

WARNING: BEFORE INSTALLING REFLECTOR TRIM TO FRAME-IN KIT, READ MARKINGS IN REFLECTOR TRIM AND IN SOCKET CUP OF FRAME-IN-KIT TO DETERMINE LAMP WATTAGE AND TYPE APPLICABLE FOR YOUR INSTALLATION. IF I.C. TYPE FRAMING KIT IS USED, IT MAY BE INSTALLED IN DIRECT CONTACT WITH INSULATED CEILINGS. IF A NON I.C. TYPE FRAME-IN-KIT IS USED, DO NOT INSTALL INSULATION WITHIN 3 INCHES OF FIXTURE SIDE OR WIRING COMPARTMENT, NOR ABOVE FIXTURE IN SUCH A MANNER TO ENTRAP HEAT.

1. FRAME-IN (Fig. A)

See Frame-In-Kit Instruction Sheets, for installation procedure.

2. ROTATE ROTO-CLIPS (Fig. B)

Rotate (4) ROTO CLIPS so that the short legs extend inwardly toward the center opening (Fig. F).

NOTE: The **SHORT LEG** of the **ROTO CLIP** has **NO** return on top. (Fig. E & F).

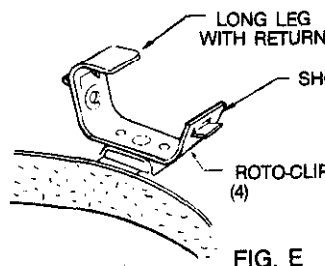


FIG. E

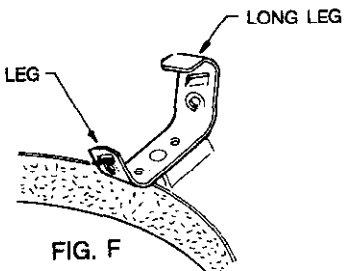


FIG. F

TRIM INSTALLATION

3. Insert **HOOK** in ear of **SPRING** on **SOCKET CUP** and let **HOUSING** hang down (Fig. H). Screw **SOCKET EXTENSION (MALE ADAPTER)** into **SOCKET** in **SOCKET CUP**.
4. Disengage **HOUSING** from **SOCKET CUP** by pulling **HOOK** out of **SPRING** ear (Fig. G). Insert **SOCKET CUP** between tabs on **MOUNTING BRACKET**, making sure **SPRINGS** snaps into slots of **MOUNTING BRACKET** (Fig. C).
5. Tilt **HOUSING** and insert **SOCKET CUP** into ceiling opening on side opposite junction box, pivot **HOUSING** and push it up into ceiling until flange on **HOUSING** is flush to ceiling (Fig. D).

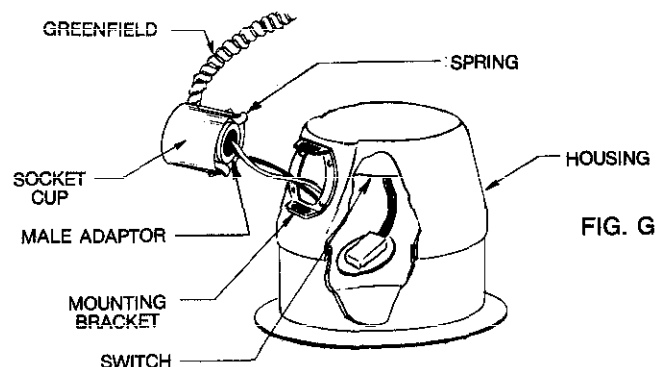


FIG. G

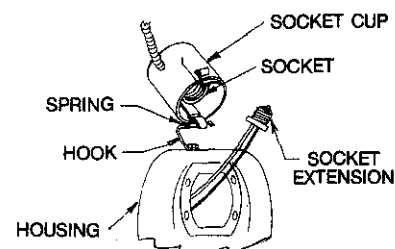


FIG. H

SEE BACK FOR LAMP INSTALLATION AND ADJUSTMENT

U.S. PATENT NO. 4,039,822; 4,313,154 and 4,327,403.
FOREIGN PATENTS PENDING.

LIGHTOLIER® SECAUCUS, NEW JERSEY, 07096
MONTREAL, QUEBEC, CANADA

INSTALL LAMP

NOTE: Socket manufactures have suggested that socket may fail after 3 to 6 relampings. If this occurs socket can be replaced by disconnecting male connectors (attached to socket leads) from female connectors (attached to fixture leads) and replacing it with a socket procured through Lightoller, see Fig. I.

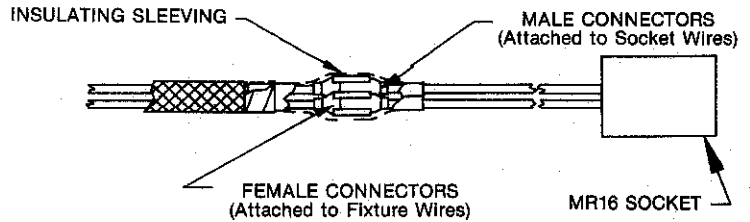


FIG. I

6. Remove LAMP RING from LAMP / YOKE HOLDER by pulling straight down (Fig. J).
7. Insert LAMP (MR-16) between LAMP SPRINGS until face of lamp sits firmly on GLASS LAMP GUARD (Fig. K).
8. Attach SOCKET to bi-pin prongs on LAMP (Fig. K).
9. Insert LAMP RING with LAMP and GLASS LAMP GUARD attached back into LAMP / YOKE HOLDER (Fig. L).

VERTICAL / ANGLE ADJUSTMENT AND LOCK (Fig. L)

10. Insert a screwdriver into the LOCKING GUIDE on the LAMP YOKE HOLDER and locate the slot in the VERTICAL ADJUST / LOCK SCREW. Turn the SCREW counterclockwise, and using the screwdriver as a lever, tilt the entire LAMP / YOKE HOLDER to the desired angle. Once the desired angle is reached, tighten screw by turning screwdriver clockwise.

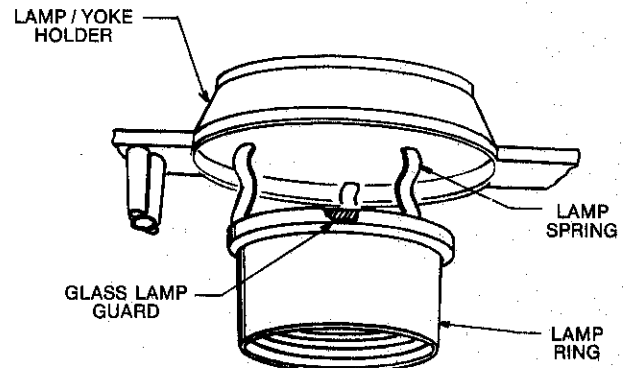


FIG. J

HORIZONTAL ADJUST AND LOCK

11. The entire LAMP / YOKE HOLDER can be horizontally rotated to aim the angle of light as it leaves the hole in the APERTURE TRIM. This can be done by backing off the HORIZONTAL ADJUST / LOCK SCREW (not shown) one full turn, freeing the SUPPORT PLATE (Fig. L). Grasping the YOKES on either side of the LAMP / YOKE HOLDER, ROTATE THE SUPPORT PLATE to the desired angle and lock the position by tightening the HORIZONTAL ADJUST / LOCK SCREW.

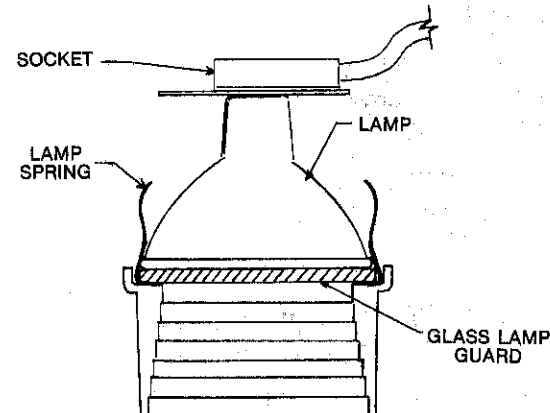


FIG. K

RELAMPING: The locking mechanisms designed within this fixture allow relamping without having to readjust and relock. Following Steps 6-9.

WARNING: 1. LAMP MANUFACTURES REQUIRE THE GLASS LAMP GUARD BE IN PLACE BEFORE ENERGIZING LAMP, AND THAT GREAT CARE MUST BE TAKEN THAT LAMP IS FULLY COOLED BEFORE RELAMPING. AVOID FINGER MARKS ON INSIDE OF LAMP FOR THEY MAY CAUSE SHORT LAMP LIFE AND POSSIBLE BREAKAGE.
2. USE ONLY REFLECTOR TRIMS PROVIDED BY LIGHTOLLER INC. USE OF OTHER MANUFACTURER'S REFLECTOR TRIMS VOIDS THE UNDERWRITERS LABORATORIES LISTING AND COULD CONSTITUTE A FIRE HAZARD.

NOTE: 1. LOW VOLTAGE FIXTURES should be dimmed only with special dimmers intended for that purpose. Use Lightoller Lytemode, Scenist, Crescendo VA, Netpune VA, Precision VA, Easyset VA, Sunrise VA, Radiant VA or equivalent products by others or variable auto-transformers or electronic dimmers intended for use with low voltage fixtures. 2. Low voltage fixtures may produce audible sound when used with dimmers which may be objectional in acoustically critical areas.

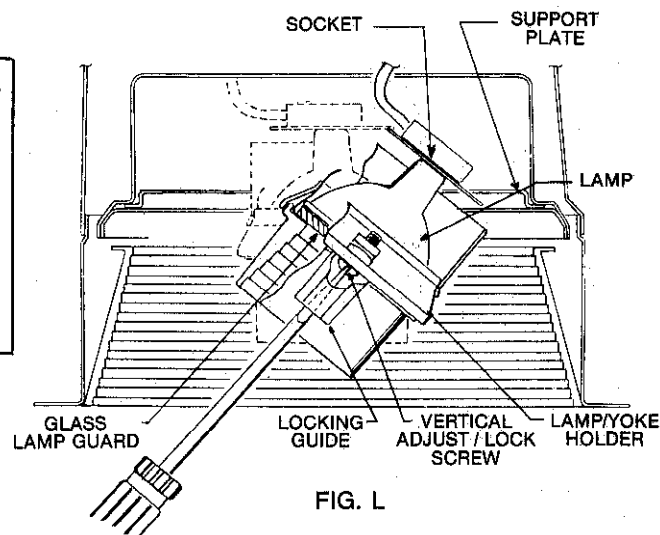


FIG. L